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Hull & Goole Port Health Authority

ANNUAL REPORT

OF THE

Medical Officer of Health

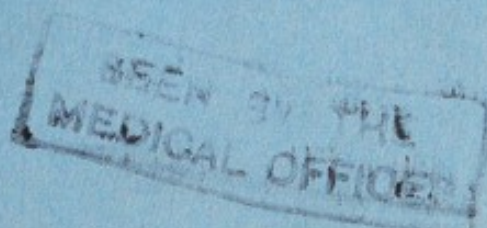
FOR

1952

ALEXANDER HUTCHISON

M.D., Ph.D., D.P.H., F.R.F.P.S.Glas., D.P.A.

Medical Officer of Health.





Hull & Goole Port Health Authority

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9 PIER STREET,

HULL.

June, 1953

*To the Chairman and Members of the
Hull and Goole Port Health Authority.*

GENTLEMEN,

I have the honour to submit the Report of the Port Medical Officer of Health of the Hull and Goole Port Health Authority for the year ended 31st December, 1952.

The Report has been prepared in accordance with the instructions contained in Form Port 20 of the Ministry of Health.

It is pleasing to note that the number and volume of shipping entering the Port Health District has undergone a steady increase during the past year.

During 1952 the Public Health (Ships) Regulations, 1952, came into operation and superseded the Port Health Regulations 1933 and 1945.

The work done by all the staff has continued on the same high level and after many years of really hard work the effect of the advice and action taken by the Port Health Authority is being felt in all branches of shipping. For example the number of rats found on board ships is steadily decreasing and the standard of crew accommodation found in modern ships would astound the mariner of 50 years ago.

I often wonder if the public fully realize the tremendous amount of work done by the Port Health staffs and if I may for a moment select one branch of the Port Health Authority—the Food Inspection staff; they were responsible for the inspection of no less than 7,635,626 food packages landed from ships within the Port of Hull and 821,292 packages landed at Goole. It will be seen that on the Port Health staff falls a very important burden in the prevention of ill health in this country.

I am also grateful to H.M. Collector of Customs and Excise and staff, the Superintendent of H.M. Customs Waterguard and his Officers, H.M. Inspector (Home Office—Aliens Branch) and his staff, the Pilots, Dock Masters, Owners, Agents, Masters of vessels and others for the assistance they have given me during the year. I am also grateful to the Docks and Inland Waterways Executive at Hull and Goole for supplying information regarding the trade of the respective ports.

Finally, I would like to pay tribute to my predecessor, Dr. Nicolas Gebbie, who was Port Medical Officer of Health for some 21 years, during which he established himself not only nationally but internationally as an authority on this most interesting aspect of Public Health.

The Chairman and Members of the Authority have continued throughout the year to take a keen interest in Port Health Work and their courtesy and kindness to me on all occasions are much appreciated.

I am,

Your obedient servant,

ALEXANDER HUTCHISON, M.D.,
Port Medical Officer of Health.

HULL AND GOOLE PORT HEALTH AUTHORITY

Constituted by an Order of the Local Government Board, dated 11th June, 1887

Members Elected by the Corporation of Kingston upon Hull

ALDERMAN R. E. SMITH (*Chairman*)—to 1st April, 1953
COUNCILLOR H. J. BARNEY
COUNCILLOR G. E. BRINT

Members Elected by the Goole Borough Council

ALDERMAN E. JOHNSON (*Deputy-Chairman*)
COUNCILLOR C. P. WADSWORTH

STAFF — TABLE A

Name of Officer and Qualifications	Nature of Appointment	Date of Appointment to Staff	Any other Appointments held
E. H. BULLOCK, Solicitor	Clerk	1st October, 1945	Town Clerk, Corporation of Kingston upon Hull
C. H. POLLARD, O.B.E., F.S.A.A., F.I.M.T.A., F.S.S.	Treasurer	9th October, 1929	City Treasurer, Corporation of Kingston upon Hull
NICOLAS GEBBIE, M.D., D.P.M., D.P.H.	Port Medical Officer of Health and Medical Inspector of Aliens	6th August, 1931 to 8th October, 1952	Medical Officer of Health, Corporation of Kingston upon Hull
ALEXANDER HUTCHISON, M.D., Ph.D., D.P.H., F.R.F.P.S. Glas., D.P.A.	Port Medical Officer of Health and Medical Inspector of Aliens	1st January, 1953	Medical Officer of Health, Corporation of Kingston upon Hull

STAFF — TABLE A—Continued.

Name of Officer and Qualifications	Nature of Appointment	Date of Appointment to Staff	Any other Appointments held
R. H. MOYES, M.B.E., M.D., D.P.H.	Deputy Port Medical Officer of Health and Medical Inspector of Aliens	1st July, 1941	Deputy Medical Officer of Health, Corporation of Kingston upon Hull
G. R. WALKER, M.B., Ch.B., D.T.M., D.P.H.	Asst. Port Medical Officer of Health and Medical Inspector of Aliens	29th July, 1940	Asst. Medical Officer of Health, Corporation of Kingston upon Hull (50 per cent.)
J. Tong, B.A., L.M.S.S.A., C.P.H.	Asst. Port Medical Officer of Health and Medical Inspector of Aliens	25th April, 1949	Asst. Medical Officer of Health, Corporation of Kingston upon Hull (50 per cent.)
A. S. CAREY, M.B., Ch.B., D.P.H.	Asst. Medical Officer of Health and Medical Inspector of Aliens—occasional duty	1st October, 1950 to 5th July, 1952	Asst. Medical Officer of Health, Corporation of Kingston upon Hull
S. KLINGER, M.D., VIENNA.	Asst. Medical Officer of Health and Medical Inspector of Aliens—occasional duty	21st July, 1952	Asst. Medical Officer of Health, Corporation of Kingston upon Hull
S. K. APPLETON, M.D., D.T.M., D.P.H.	Deputy Port Medical Officer of Health at Goole	5th January, 1948	Medical Officer of Health, Borough of Goole
D. J. T. BAGNALL, A.C.G.F.C., F.R.I.C.	Port Analyst	4th April, 1940	Public Analyst, Corporation of Kingston upon Hull
†*A. J. W. HARDING	Senior Port Health Inspector	27th April, 1920	—
†*M. THOMAS	Deputy Senior Port Health Inspector	28th December, 1935	—
†J. R. Z. BOWNASS	Port Health Inspector	1st January, 1925	—
†*G. WALLACE	Port Health Inspector	10th October, 1938	—
†*T. A. FOX	Port Health Inspector	8th September, 1941	—

*S. RHODES	Chief Food Inspector at Hull	8th September, 1929	Chief Food Inspector, Corporation of Kingston upon Hull
*L. R. GOURD	Senior Asst. Food Inspector at Hull	9th June, 1947	Senior Asst. Food Inspector, Corporation of Kingston upon Hull
*B. E. C. COLE	Asst. Food Inspector at Hull	5th October, 1936	Asst. Food Inspector, Corporation of Kingston upon Hull
*A. DAY	Asst. Food Inspector at Hull	5th October, 1936	Asst. Food Inspector, Corporation of Kingston upon Hull
*G. A. SANDILANDS	Asst. Food Inspector at Hull	5th July, 1949	Asst. Food Inspector, Corporation of Kingston upon Hull
*W. NORMAN	Asst. Food Inspector at Hull	10th October, 1950	Asst. Food Inspector, Corporation of Kingston upon Hull
*L. BOOTH	Asst. Food Inspector at Hull	11th March, 1952	Asst. Food Inspector, Corporation of Kingston upon Hull
*R. WILLINGHAM	Asst. Food Inspector at Hull	11th March, 1952	Asst. Food Inspector, Corporation of Kingston upon Hull
G. E. FOX	Rodent Searcher	6th October, 1928	—
H. S. ROGERSON	Rodent Searcher	24th August, 1942	—
W. H. COOK	Rodent Searcher	3rd December, 1945	—
S. JOHNSON	Senior Clerk	15th March, 1926	—
S. BROADBENT	Clerk	24th March, 1930	—
D. B. IRELAND	Clerk	12th November, 1951 to 23rd February, 1952	—
J. B. RENSHAW	Clerk	25th February, 1952	—

* Hold Certificates of the Royal Sanitary Institute as a Sanitary Inspector and Inspector of Meat and Other Foods.

† Holds Certificate of the Royal Sanitary Institute as a Sanitary Inspector.

‡ Appointed as Assistant Officer at Goole under the Public Health (Imported Food) Regulations, 1937-48.

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REPORT.

Jurisdiction of Port.

There has been no alteration in the definition of the limits of jurisdiction of the Port Health Authority.

Amount of Shipping entering the District during the year.

During 1952, 10,880 vessels entered the Ports of Hull and Goole with a total net tonnage of 7,264,486, as against 10,020 vessels with a total net tonnage of 6,585,456 in 1951.

In the year under review, 485 ships were boarded by the Medical Officers of the Authority ; this shows a decrease of 51 when compared with the figure for 1951.

The Port Health Inspectors visited 6,658 vessels, on 646 of which sanitary defects were discovered ; 204 of these were rectified. In 1951, the figures were respectively 6,230, 681 and 215. Details of this work will be found in Table G, page 28, and in Appendix 1, pages 46-48, and Appendix 5, pages 54-59.

TABLE B

HULL

Ships from	Number	Tonnage	By the Medical Officer of Health	By the Sanitary Inspector	Number of ships reported as having, or having had during the voyage, infec- tious disease on board.
Foreign Ports	5,831	4,723,434	481	3,822	25
Coastwise Ports	2,110	1,448,329	2	1,333	3
Total	7,941	6,171,763	483	5,155	28

GOOLE

Ships from	Number	Tonnage	By the Medical Officer of Health	By the Sanitary Inspector	Number of ships reported as having, or having had during the voyage, infec- tious disease on board.
Foreign Ports	1,060	311,202	2	689	—
Coastwise Ports	1,879	781,521	—	814	—
Total	2,939	1,092,723	2	1,503	—
Total Foreign & Coastwise, Hull & Goole	10,880	7,264,486	485	6,658	28

Character of Shipping and Trade during the year.

TABLE C

PASSENGER TRAFFIC

HULL

No. of Passengers	British	Aliens	Totals
Inwards ..	7,897	3,510	11,407
Outwards ..	7,348	3,218	10,566

Total Passengers, Inwards and Outwards .. 21,973

GOOLE

No. of Passengers	British	Aliens	Totals
Inwards ..	258	94	352
Outwards ..	547	165	712

Total Passengers, Inwards and Outwards .. 1,064

Figures for Table C were supplied by H.M. District Inspector (Home Office—Aliens Branch).

During the year 23,037 passengers, Alien and British, entered or departed from the Ports of Hull and Goole as against 23,367 for 1951.

The number of Aliens entering the district continues to decrease ; the figure for the year under review being 789 less than the previous year.

British passengers outward exceeded by 615 the figure for 1951.

CARGO TRAFFIC

HULL

IMPORTS :—

Commodity	1952 Tons	1951 Tons
Coal, Coke and Patent Fuel ..	—	5,927
Building and Road Making Materials	21,501	32,753
Fish Landings	258,435	265,776
Fruit and Vegetables	87,570	107,643
Grain, Flour and Milling Offals	786,781	799,080
Food and Provisions	251,842	446,683
Molasses	57,104	139,723
Oilseeds and Nuts	263,320	301,989
Ores	168,239	124,061
Oil and Spirit	1,878,716	2,011,564
Iron and Steel Manufactures ..	405,401	140,452
Raw Wool	102,874	83,227
Raw Cotton	341	816
Pitwood and Mining Timber ..	252,884	116,748
Other Timber	334,935	590,044
Chemicals and Chemical Ferti- lisers	111,641	208,012
Other Commodities	385,036	558,686
Totals	5,366,620	5,933,184

HULL

EXPORTS :—

Commodity	1952 Tons	1951 Tons
Building and Road Making Materials	4,039	9,195
Processed Food and Drink ..	201	324
Tobacco	—	36
Chemicals and Chemical Ferti- lisers	18,677	32,356
Machinery	32,108	55,093
Vehicles	33,125	41,051
Tinplate	1,086	238
Iron and Steel Goods	87,497	111,890
Oil and Spirit	309,715	405,493
Cotton Goods	313	54
Woollen Goods	825	387
Other Textiles	241	605
Other Commodities	356,793	348,006
	<hr/>	<hr/>
	844,620	1,004,728
Coal, Coke and Patent Fuels ..	2,598,368	1,378,102
	<hr/>	<hr/>
Totals	3,442,988	2,382,830
	<hr/>	<hr/>
TOTAL IMPORTS AND EXPORTS ..	8,809,608	8,316,014
	<hr/>	<hr/>

There are regular freight, and in certain cases, passenger services between this port and France, Belgium, Holland, Denmark, Germany and the Scandinavian countries.

Vessels also arrive at the port from Australia, New Zealand, South America, the U.S.A. and Canada, India and Pakistan, South East, West and North Africa, Italy, Jugo-Slavia, Greece, Turkey, Syria and Israel.

Coastwise traffic is principally concerned with London and the East Coast Ports.

GOOLE

IMPORTS :—

Commodity	1952 Tons	1951 Tons
Building and Road Making		
Materials	5,354	7,385
Fruit and Vegetables	2,063	3,146
Grain, Flour and Milling Offals	31,347	27,956
Food and Provisions	43,353	47,675
Ores	2,879	1,905
Oil and Spirit	—	2,709
Iron and Steel Manufactures ..	126,534	129,722
Raw Wool	23,767	12,768
Timber	1,676	7,171
Chemicals and Chemical Fertilisers	12,938	20,367
Other Commodities	121,829	184,198
Totals	371,740	445,002

EXPORTS :—

Commodity	1952 Tons	1951 Tons
Building and Road Making		
Materials	85,732	77,410
Chemicals and Chemical Fertilisers	3,997	3,515
Machinery	8,852	10,153
Vehicles	214	507
Iron and Steel Goods	27,631	19,249
Oil and Spirit	11,570	15,291
Woollen Goods	9,505	8,141
Other Textiles	2,089	3,079
Other Commodities	63,907	29,518
	213,497	166,863
Coal, Coke and Patent Fuel ..	1,941,185	1,302,139
Totals	2,154,682	1,469,002
TOTAL IMPORTS AND EXPORTS ..	2,526,422	1,914,004

The trade of Goole is chiefly concerned with coastwise ports and the continental ports of Europe.

INLAND BARGE TRAFFIC

REPORT ON THE INSPECTION AND REGISTRATION OF CANAL BOATS

River and canal traffic is between Hull and Leeds, Bradford, Halifax, Castleford, Sheffield, Thorne, Doncaster, Selby, Brighouse, Barnsley, Wakefield, Goole, Selby, York, Newark, Nottingham and Gainsborough.

Number of inspections of Canal Boats	571
Number of boats examined for the purpose of registration	18
Number of additional inspections made to ascertain if notices served and verbal cautions given had been complied with	4
	<hr/>
Total number of inspections	593
	<hr/>

The 589 inspections were made on 308 boats which are registered to accommodate 1,116 adult persons and 523 children, whilst 622 adults (619 males and 3 females) and 1 child were found to be occupying them.

No records are kept of the net tonnage of river craft using the district.

Contraventions

Number of Canal Boats with contraventions	69
Number of contraventions	96
Number of contraventions remedied	32

Registration Particulars

Total Number of Canal Boats on the Register on the 31st December, 1951						
Hull	1,107					
Goole	933					
						<hr/>
						2,040
Total number of Canal Boats registered during the year, 1952						19
						<hr/>
						2,059
Registrations cancelled during 1952						3
						<hr/>
Total						2,056
						<hr/>

Particulars of registrations during 1952 :—

Boats not previously registered	11
Boats on which structural alterations had taken place ..	8
	—
Total registrations ..	19
	—
Copy Certificates of Registration issued	16
Registration Certificates endorsed in consequence of :—	
Change of ownership	70
Change of name of boat	12
	—
Total endorsements ..	82
	—

Infectious Diseases

On the 21st April, 1952, the Mate of the Canal Boat "Trent No. 2" was removed to the Castle Hill Hospital, Cottingham, E. Yorks., suffering from Tuberculous Meningitis, and was discharged on the 20th December, 1952.

The cabin occupied by the Mate, together with the bedding, etc., were disinfected under the supervision of an Officer of the Authority.

Legal Proceedings

It has not been found necessary during the year to institute legal proceedings.

WATER SUPPLY**For the District**

	Source of Water
St. Andrew's Dock	Docks and Inland Waterways Executive Supply
Albert and Sir Wm. Wright Docks	do.
Humber Dock	Hull Corporation supply
Victoria Dock	do.
Alexandra Dock	do.
King George Dock	do.
Saltend Jetty, No. 1	do.
" " No. 2	do.
Goole Docks	Goole Borough Council supply

The water is derived from deep wells ; its hardness is just over twenty parts per 100,000 about six being permanent.

For Shipping

The water supplied to ships with the exception of the supply to the St. Andrew's, Albert and Sir Wm. Wright Docks, is identical with that of the City and is delivered either by means of water boats or by hydrants situated on the dock-side.

Reports of Tests for Contamination

(a) CHEMICAL :—

Eleven water samples obtained from water-boats and ships in Hull and Goole were examined by the Port Analyst.

Satisfactory	Suspicious	Unsatisfactory	Total
10	—	1	11

(b) BACTERIOLOGICAL :—

Eighteen samples were examined bacteriologically by the Director of the Public Health Laboratory Service. The results of the examinations were as follows :—

Highly Satisfactory	Satisfactory	Suspicious	Unsatisfactory	Total
9	1	2	6	18

Where the water samples were considered to be unsatisfactory as the result of the chemical or bacteriological findings, instructions were issued for the water tanks to be cleansed and cement-washed and re-filled with fresh water from the district supply.

Precautions against Contamination of Hydrants and Hosepipes

The Authority possess no jurisdiction over shore premises or equipment.

Some vessels are supplied with fresh water from water-boats while others are supplied direct from hydrants on the quayside owned by the Docks and Inland Waterways Executive.

Samples are taken periodically from water-boats and occasionally from the hydrants, the latter with the consent and co-operation of the Docks Executive.

Should any hydrant or equipment be found in an unsatisfactory condition the matter is reported to the Docks Executive who take the necessary action.

**Number and Sanitary Condition of Water Boats and Powers of Control
by the Authority**

Docks	Number of Boats	Capacities in Tons
St. Andrew's	3	121, 140, 92
Albert and Sir Wm. Wright ..	2	67, 63
Humber	1	65
Victoria	2	50, 36
Alexandra	6	65, 60, 60, 50, 50, 45
Goole	2	60, 20

These boats are inspected at frequent intervals by the Authority's Inspectors and the tanks are periodically cleansed and cement-washed, with the exception of the three boats in the St. Andrew's Dock. The tanks on these boats are lined with a bitumastic material and are scrubbed down at regular intervals. From time to time samples of water are taken for chemical analysis and bacteriological examination. Where adverse reports are received the appropriate action is taken.

Control of water-boats is exercised under Part IV, Section 141 of the Public Health Act, 1936, which states :—

Any well, tank cistern, or water-butt used for the supply of water for domestic purposes which is so placed, constructed or kept as to render the water therein liable to contamination prejudicial to health, shall be a statutory nuisance for the purposes of Part III of this Act.

Part IV of the Act is not applicable to ships but by reason of the interpretation of the foregoing section any question of contaminated fresh water tanks on ships is dealt with under Part III, which does apply to ships.

PUBLIC HEALTH (SHIPS) REGULATIONS, 1952.

LIST OF INFECTED AREAS

The list of Infected Areas is prepared and amended from the information supplied in the Weekly Record of Quarantinable Diseases issued by the Ministry of Health.

The list is in the form of a pocket folder to which stick-on printed slips, showing the areas added or deleted, can be affixed.

The folder and any amendments are circulated by post to all Officers of H.M. Customs Waterguard, the Humber Pilots and H.M. Immigration Officers.

RADIO MESSAGES

The port is not designated under Article 12(1)(b) of the Regulations as a radio transmitting port.

Radio telegrams from Masters regarding the arrival of incoming vessels are received from the Humber Radio Station at Mablethorpe, Lincs., via the General Post Office, Hull.

NOTIFICATIONS OTHERWISE THAN BY RADIO

Information concerning ships requiring the attention of the Medical Officer is telephoned by Officers of H.M. Customs Water-guard to the office of the Authority during the normal working hours and to the Inspector on night duty at all other times.

MOORING STATIONS

The Quarantine Station at No. 7 Buoy in the River Humber has been retained as the outside Mooring Station for both Hull and Goole.

Four inside mooring stations have been established in the Hull Docks as follows :—

1. King George Dock. The berth known as the "Dry Dock End Overside Berth."
2. Alexandra Dock. The Buoys.
3. Victoria Dock. The berth between the end of the coal conveyors and the dolphins.
4. Sir Wm. Wright Dock. The berth immediately off the Bull Nose at the entrance to the Graving Dock.

At Goole the inside mooring station has been established on the south side of the Barge Dock and is known as the "Western Berth Barge Dock."

In practice, provision has been made for any place of mooring, loading or discharge to be regarded as a mooring station for the purpose of the Regulations.

HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

All cases of infectious or suspected infectious disease can be admitted to the Castle Hill Hospital, Cottingham, E. Yorks.

SURVEILLANCE AND FOLLOW UP OF CONTACTS

Daily visits are paid to ships on which infectious disease or sickness suspected to be infectious has occurred.

When contacts leave a ship their names and the addresses to which they are proceeding are notified to the Medical Officer of Health of the districts concerned. Prepaid Reply Cards are issued in certain cases on which contacts are required to notify to this Authority any further change of address.

CLEANSING AND DISINFECTION OF SHIPS, PERSONS, CLOTHING AND OTHER ARTICLES

All quarters on board ships that have been occupied by cases of infectious or suspected infectious disease are disinfected by or under the supervision of an Officer of the Authority.

Disinfection of persons, clothing, bedding, etc., is carried out at the Hull Corporation Disinfecting Station, Scarborough Street, Hull.

SMALLPOX

All cases or suspected cases of Smallpox may be sent to the City Hospital, Cottingham, E. Yorks.

Ambulances for the removal of cases to hospital are provided at all times by the Hull Corporation Ambulance Service which is under the direction of the Medical Officer of Health of the City.

Vans are also available for the conveyance of bedding, etc., to and from the Corporation Disinfecting Station, Scarborough Street, Hull.

All ambulance crews and the staff of the Authority are subjected to periodical vaccination.

Dr. Alexander Hutchison, Medical Officer of Health of the City of Kingston upon Hull, and of the Hull and Goole Port Health Authority, is the Smallpox Consultant for the district.

Specimens for laboratory diagnosis are forwarded to either :—

(a) The Virus Reference Laboratory,
Central Public Health Laboratory,
Colindale Avenue,
London, N.W.9

or (b) The Department of Bacteriology,
Mount Pleasant,
Liverpool, 3.

VENEREAL DISEASE

Cases of Venereal Disease are treated at the Clinic, Mill Street, Hull.

The times of attendance are as follows :—

Monday	..	..	..	10-0 a.m. to 12-0 noon 5-0 p.m. to 6-30 p.m.
Tuesday	..	..	..	10-0 a.m. to 12-0 noon 5-0 p.m. to 6-0 p.m.
Wednesday	..	..	..	10-0 a.m. to 12-0 noon 5-0 p.m. to 7-0 p.m.
Thursday	..	..	..	10-0 a.m. to 12-0 noon
Friday	..	..	..	10-0 a.m. to 12-0 noon 5-0 p.m. to 6-0 p.m.
Saturday	..	..	..	10-0 a.m. to 12-0 noon

A "Notice to Seamen" Card has been printed in fourteen languages, giving the address of the clinic and the times of attendance.

At Goole, cases are treated at the Bartholomew Hospital.

In-patients are treated at the Western General Hospital, Anlaby Road, Hull, and at the Kingston General Hospital, Beverley Road, Hull.

At Goole, in-patients are treated at the Bartholomew Hospital.

CASES OF NOTIFIABLE AND OTHER INFECTIOUS DISEASES ON SHIPS.

TABLE D

CASES LANDED FROM SHIPS FROM FOREIGN PORTS

Disease	Number of cases during the year		Number of ships concerned
	Passengers	Crew	
Pulmonary Tuberculosis ..	—	4	4
Pneumonia	1	3	4
Scarlet Fever	—	1	1
Malaria	—	1	1
Mumps	—	1	1
Amoebic Dysentery ..	—	1	1
Measles	—	1	1
Influenza	—	1	1
Infectious Mononucleosis ..	—	1	1

CASES WHICH HAVE OCCURRED ON SHIPS FROM FOREIGN PORTS BUT HAVE BEEN DISPOSED OF BEFORE ARRIVAL

Disease	Number of cases during the year		Number of ships concerned
	Passengers	Crew	
Malaria	—	10	6
Pulmonary Tuberculosis ..	—	3	3
Measles	—	1	1
Chicken-pox	1	—	1
Dysentery	—	1	1

CASES LANDED FROM OTHER SHIPS

Disease	Number of cases during the year		Number of ships concerned
	Passengers	Crew	
Tuberculous Meningitis ..	—	1	1
Rubella	—	1	1
Measles	—	1	1

OBSERVATIONS ON THE OCCURRENCE OF MALARIA ON SHIPS

There has been a marked drop in the number of cases of Malaria occurring on ships trading on the West Coast of Africa.

In 1951, 5 cases were landed at Hull and 26 cases reported during the voyage. In 1952, 1 case was landed at Hull and 10 occurred on vessels during the voyage.

Though these figures are probably not complete, nevertheless Masters of West Coast vessels have commented in conversation with Medical Officers on the decrease of the incidence of cases of Malaria occurring during the voyage. Their opinion is that this is due to the use of paludrine as a routine suppressive. The men have no objection to taking this drug. This was definitely not the case when quinine or mepacrine were used as suppressives, when the men often threw the tablets over the side as soon as issued.

MEASURES TAKEN AGAINST SHIPS INFECTED WITH OR SUSPECTED FOR PLAGUE

No ships, infected with or suspected for Plague, arrived in the district during the year.

MEASURES AGAINST RODENTS IN SHIPS FROM FOREIGN PORTS

Procedure for Inspection of Ships for Rats

The Authority's Rodent Searchers inspect all ships from foreign ports for evidence of rat infestation, special attention being directed to those coming from Infected Areas.

Where evidence of recent infestation is found traps are laid to confirm the findings.

The Inspectors of the Authority also pay daily visits to ships from Infected Areas and enquiries regarding the presence of rats form part of their normal duties.

Arrangements for the Bacteriological or Pathological Examination of Rodents

A proportion of all rats trapped and all found dead, including those destroyed by the Rat Catchers employed by the Docks and Inland Waterways Executive, are submitted to the Director of the Public Health Laboratory Service, 184 High Street, Hull, for bacteriological examination. Seventy-one rats were examined during the year, none of which showed evidence of *Bacillus pestis*. Details are given in Table E (page 27).

Arrangements for Deratting Ships

Three methods of rat destruction are employed, namely, (1) Fumigation by hydrogen cyanide. (2) Fumigation by sulphur dioxide, and (3) Trapping. Poisoning is not used as a means of rat destruction. Details are given in Tables E and F (page 27).

Where deratting by fumigation is considered necessary the work is carried out by commercial contractors. The firms undertaking this work are as follows :—

- (a) Messrs. Harrison & Doughty Ltd.,
Wyke Street,
Hull.
- (b) Messrs. R. W. Arro & Co. Ltd.,
433 Hedon Road,
Hull.
- (c) Riverside (Painters & Contractors) Ltd.,
27a West Dock Avenue,
Hull.
- (d) Deodor-X-Hygiene Services Ltd.,
Prince's Dock Chambers,
Prince's Dock Side,
Hull.

PROGRESS IN RAT-PROOFING OF SHIPS

It is pleasing to observe the continued application and incorporation of rat-proofing principles in the construction of new ships. Where, during the course of inspection, the Officers of the Authority discover unprotected rat harbourages, Masters, Owners or Agents are requested to undertake remedial measures. Progress is undoubtedly being made in this sphere of preventive activities.

PREVENTION OF DAMAGE BY PESTS ACT, 1949 PREVENTION OF DAMAGE BY PESTS (APPLICATION TO SHIPPING) ORDER, 1951

The following table shows the number of Rodent Control Certificates issued under the above Order during 1952.

No. issued to Rat-free ships	No. issued to ships after deratting	No. of rats trapped	No. of rats found after fumigation
539	5	4	25

**THE HYDROGEN CYANIDE (FUMIGATION OF SHIPS)
REGULATIONS, 1951**

The above Regulations came into force on the 1st February, 1952.

Under these Regulations it is the duty of the Contractor who undertakes the fumigation of a vessel by hydrogen cyanide to give twenty-four hours' notice of his intention to the Medical Officer of Health, allowance being made for exceptional circumstances. Notice must be given on the prescribed form as set out in the First Schedule to the Regulations.

A certificate to the effect that the vessel is clear of gas is given by the Operator to the Shipowner or to his representative. It is not necessary to give a similar certificate to the Port Medical Officer of Health.

The responsibility for rendering first-aid in the event of casualties arising during the course of the fumigation is placed upon the Undertaker.

TABLE E

**RODENTS DESTROYED DURING THE YEAR IN
SHIPS FROM FOREIGN PORTS**

Category	Number
Black Rats	591*
Brown Rats	—
Species not known ..	—
Sent for examination ..	26
Infected with Plague ..	—

* This total includes 407 rats killed as a result of fumigation.

**RODENTS DESTROYED DURING THE YEAR IN
WAREHOUSES ON THE DOCK ESTATE**

Category	Number
Black Rats	582*
Brown Rats	736*
Species not known ..	—
Sent for examination ..	45
Infected with Plague ..	—

* The above figures were supplied by the Docks & Inland Waterways Executive (North Eastern Division)

TABLE F
Deratting Certificates and Deratting Exemption Certificates issued during the year
for ships from foreign ports.

No. of Deratting Certificates issued		Number of Deratting Exemption Certificates issued		Total Certificates issued
HCN	After fumigation with Other fumigant (state method)	After trapping	After poisoning	
1	2	3	4	5
29	2 (Sulphur Dioxide)	—	—	31
				466
				7
				497

INSPECTION OF SHIPS FOR NUISANCES
TABLE G
INSPECTIONS AND NOTICES

Nature and number of Inspections	No. of Inspections			Notices served		Result of serving Notices
	No. inspected	No. defective	No. defective	Statutory Notices	Other Notices	
British owned ships . .	4016	228	228	Nil	31 (to Ministry of Transport) *228 (Verbal)	10 ships remedied 164 ,, ,,
Foreign owned ships	2642	418	418	Nil	*418 (Verbal)	30 ,, ,,
Total . .	6658	646	646	Nil	677	204

x Includes 31 written informal notices to Masters.

x Includes 11 written informal notices to Masters.

Public Health (Shell-Fish) Regulations, 1934 & 1948.

There are no shell-fish beds within the jurisdiction of the Authority.

MEDICAL INSPECTION OF ALIENS

MEDICAL INSPECTORS OF ALIENS HOLDING WARRANTS OF APPOINTMENT

1. Dr. Alexander Hutchison, Port Medical Officer of Health.
2. Dr. R. H. Moyes, Deputy Port Medical Officer of Health.
3. Dr. G. R. Walker, Asst. Port Medical Officer of Health.
4. Dr. J. Tong, Asst. Port Medical Officer of Health.
5. Dr. S. Klinger, Asst. Medical Officer of Health (part-time Boarding Duty).

OTHER STAFF

The Inspectorial and Clerical Staff devote a certain amount of time to the work in connection with Alien traffic.

ORGANISATION OF WORK

The expected time of arrival of ships carrying Alien passengers is notified by telephone by H.M. Immigration Officers and the Agents to the office of the Authority.

The Medical Inspector is accompanied by an Inspector when boarding these vessels.

NATURE AND AMOUNT OF ALIENS TRAFFIC

Alien passengers arrive principally from Germany, Holland, Belgium, Denmark, Norway, Sweden and Finland, and consist mainly of Aliens coming to take employment in this country and visitors for the purpose of business or pleasure. The number of passengers, British and Alien, passing through the district is shown in detail in Table C (page 13).

**ANNUAL RETURN BY THE MEDICAL INSPECTOR OF ALIENS
TO THE MINISTRY OF HEALTH FOR THE YEAR ENDED 31ST
DECEMBER, 1952**

Total No. of arriving vessels carrying Aliens .. 862

Total No. of Aliens (excluding transmigrants, seamen and airmen) :—

(a) Arriving at the Port 3,510
 (b) Medically inspected 2,551
 (c) Medically examined 248

Certificates issued	Aliens permitted to land		Aliens not permitted to land	Total
	Unconditionally	Conditionally		
(a) Unsound mind or mentally defective	Nil	Nil	Nil	Nil
(b) Undesirable for medical reasons	Nil	Nil	1	1
(c) Physical incapacity	Nil	Nil	Nil	Nil
(d) Acute infectious disease ..	Nil	Nil	Nil	Nil
(e) Conditionally landed for adequate medical examination	—	Nil	—	Nil

**ACCOMMODATION FOR MEDICAL INSPECTION AND
EXAMINATION**

The medical inspection and examination of Alien passengers is normally carried out on board the vessels concerned but on certain occasions Aliens are seen at the H.M. Immigration Office or at the office of the Authority.

MISCELLANEOUS

**ARRANGEMENTS FOR THE BURIAL ON SHORE OF PERSONS
WHO HAVE DIED ON BOARD SHIP FROM INFECTIOUS
DISEASE**

There is a crematorium in Hull and the Authority would strongly recommend the cremation of any person who had died on board ship from infectious disease.

CERTIFICATES OF HEALTH

During the year six Certificates of Health were issued to local firms in respect of materials for export.

The details are as follows :—

Name of Firm	Commodity	Destination
1. Richard Hodgson & Sons Ltd., Beverley	Wet Salted Rangoon Buffalo Hides	Izmir, Turkey
2. Lep Transport Ltd.	Woollen Rags	Antwerp
3. Richard Hodgson & Sons Ltd., Beverley	Dry Eritrean Hides	Beirut
	Dry Sudan Hides	do.
	Dry East African Hides	do.
4. Lep Transport Ltd.	Mixed Stockings	Antwerp
5. Lep Transport Ltd.	Mixed Stockings	Tilburg, Holland
6. Richard Hodgson & Sons Ltd., Beverley	Tanganyika Suspension Dried Cattle Hides	Beirut

As a result of a complaint by the owners, a sample of air from the cold storage rooms and a sample of liquid from the deck of a ship in the port were examined by the Port Analyst for the presence of hydrogen cyanide.

The results in both cases were negative and statements to that effect were issued to the shipowners.

DANGEROUS DRUGS (NO. 3) REGULATIONS, 1923

During the year three applications were received from Masters of foreign-owned vessels for certificates to procure drugs under the provisions of the above regulations. The drugs were required to complete the necessary equipment for the ships, in accordance with the Ministry of Transport standards for British ships.

FOOD INSPECTION HULL

Report of the Chief Food Inspector

Public Health (Imported Food) Regulations, 1937-1948

Number of visits to Docks	2,158
Number of steamers from which cargoes were inspected	851
Number of packages landed therefrom	7,635,626
Number of Detention Notes issued by H.M. Customs ..	398

PARTICULARS OF "PROHIBITED" MEAT DISCOVERED

NIL

PARTICULARS OF "MEAT PRODUCTS"—SECOND SCHEDULE

Where from	Description	Quantity
Aalborg	Tinned meats	1,576 packages
"	Bacon	11,447 bales
"	Chitterlings	57 barrels
"	Poultry	223 cases
"	Maws	64 barrels
"	Pigs' feet	50 kegs
Aarhus	Salami sausage	20 boxes
"	Poultry	200 cases
"	Bacon	14,937 bales
"	Tinned meats	10,966 cases
"	Chitterlings	20 barrels
"	Cap ends	20 "
"	Pigs' maws	6 "
Amsterdam	Tinned meats	150,537 packages
"	Sausages	692 boxes
"	Fat backs	822 cases
"	Maws	72 casks
"	Bacon	1,198 bales
"	Pigs' rinds	66 packages
Antwerp	Tinned meats	7,725 "
"	Cooked chicken	30 casks
Australia	Tinned meats	185,027 packages
"	Beef tallow	38 casks
"	Bacon	1,706 bales
"	Hog casings	5 tierces
"	Lamb and Mutton carcasses	35,043 carcasses
Beira	Tinned meats	1,000 packages
Denmark	Tinned meats	199,863 "
"	Bacon	106,025 bales
"	Poultry	12,862 cases
"	Pork backs	352 packages
"	Hog casings	64 barrels
"	Pigs' tails	57 kegs
"	Rinds	864 casks
"	Chitterlings	712 casks
"	Maws	735 casks
"	Sausages	468 cases
"	Pigs' feet	2,560 kegs
"	Cap ends	30 packages
"	Frozen pork chops	180 cartons
"	Deer	15 pieces

Where from	Description	Quantity
Denmark	Udders	8 casks
"	Pork livers	28 cartons
Dunkirk	Tinned meats	200 "
France	Tinned meats	6,950 packages
Gdynia	Bacon	16,676 bales
Germany	Tinned meats	10,484 packages
"	Pork	692 cartons
Holland	Tinned meats	3,347 packages
"	Fat backs	195 boxes
Italy	Tinned meats	92 packages
Malmo	Pigs' feet	183 barrels
"	Pigs' maws	88 "
"	Rinds	6 "
"	Sausages	200 packages
"	Tinned meats	7,145 "
"	Chitterlings	33 barrels
New York	Lard	50,416 packages
New Zealand	Tegs	920 carcasses
"	Frozen sundries	1,944 packages
"	Tinned meats	19,280 "
"	Lamb and sheep carcasses	625,301 carcasses
"	Lamb cuts	1 bag
"	Boneless mutton	2,355 bags
"	Sundries	15,097 "
"	Pigs' livers	623 crates
"	Offals	600 packages
"	Pork	4,208 "
"	Boneless veal	919 bags
"	Beef	17,186 packages
"	Pigs' heads	1,407 bags
Norway	Tinned meats	70 packages
"	Pigs' feet	21 barrels
Odense	Tinned meats	11,704 packages
"	Pigs' maws and chitterlings	247 casks
"	Bacon	9,580 bales
"	Sausages	50 cartons
"	Pigs' feet	372 kegs
"	Poultry	50 cases
Oslo	Tinned meats	20 packages
Poland	Bacon	139,748 bales & 320 tons
"	Hog casings	4 barrels
"	Tinned meats	15,244 packages
"	Maws	30 barrels

Where from	Description	Quantity
Rotterdam	Fat backs	4 cases
"	Tinned meats	14,401 packages
South Africa	Sausages	500 cartons
Sweden	Pigs' maws	94 barrels
"	Beef	10 cartons

OTHER FOODSTUFFS INSPECTED

Description	Quantity
Tinned fruit	120,698 packages
Fresh fish	3,631 "
Biscuits	69,720 "
Sauerkraut	1,713 "
Eggs	402,046 "
Shrimps	1,231 "
Grapefruit	19,164 "
Kernels	125 "
Dessert powder	125 "
Marzipan	6,847 "
Celery hearts	130 "
Cockles	1,693 "
Salmon	221 "
Chestnuts	740 "
Sprouts	10,613 "
Syrup	1,866 "
Beetroot	5,199 "
Cocoa crumbs	7,029 "
Asparagus	925 "
Hardened oil	1,684 "
Bananas	108,000 "
Tinned gherkins	860 "
Melons	2,017 "
Sugar mixture	22,392 "
Lobster	1,662 "
Cream	1,245 "
Tinned stew	3,281 "
Fresh lobster tails	1 package
Carraway seeds	15 packages
Glace cherries	160 "
Gooseberries	8,739 "
Plums	3,153 "
Fruit paste	258 "
Dried yeast	2,032 "
Tomatoes	262,890 "

Description	Quantity	
Prunes	120 packages	
Tomato puree	787	"
Radishes	4,976	"
Leeks	256	"
Lemon Curd	2	"
Shallots	40	"
Fish roes	68	"
Marshmallow powder ..	110	"
Soup	9,625	"
Gooseberry essence	36	"
Confectionery	26,119	" and 30 tons
Fruit pulp	3,521	"
Sugared almonds	128	"
Cheese	82,524	" and 2,500 tons
Sweetened cornflour	9,390	"
Beans	1,016	"
Tinned fish	32,567	"
Butter	422,330	" and 8,990 tons
Almonds	47	"
Walnuts	607	"
Mussels	221	"
Cocoa butter	25	"
Bakery cream	2,203	"
Coconut	1,428	"
Jelly crystals	317	"
Tinned beans	99,800	"
Couverture	4,841	"
Salted herrings	93	"
Bilberries	847,359	"
Fruit juice	1,254	"
Pomegranates	6,500	"
Crab paste	20	"
Parsnips	2,408	"
Prawns	1,149	"
Milk	130,490	" and 24 tons
Sugar Glucose	2,838	"
Tinned shrimps	218	"
Toffee butter	114	"
Blackcurrants	1,007	"
Cherries	941	"
Piping jelly	49,030	"
Peaches	655	"
Pineapples	1,354	"
Potatoes	226,695	"

Description				Quantity	
Tea	..	..	..	1,201	packages
Tinned carrots	..	..	..	50	..
Dessert powder	..	..	..	160	..
Frozen fish	..	..	..	72	.. and 540 tons
Malt extract	..	..	..	20	..
Peas (bagged)	..	..	..	32,950	.. and 90 tons
Apples	..	..	..	596,006	..
Cabbages	..	..	..	11,469	..
Parsnips	..	..	..	1,546	..
Oranges	..	..	..	290,990	..
Gherkins	..	..	..	1,067	..
Lettuce	..	..	..	63,111	..
Beans (baled)	..	..	..	1,350	..
Tinned tomato juice	..	..	..	50	..
Tinned jam	..	..	..	22,290	..
Macaroon paste	..	..	..	100	..
Dried bilberries	..	..	..	1,770	..
Sweet cake mixture	..	..	..	1,659	..
Strawberries	..	..	..	1,617	..
Cauliflowers	..	..	..	76,430	..
Vegetables in brine	..	..	..	3,558	.. and 3 tons
Pears	..	..	..	152,229	..
Onions	..	..	..	661,952	.. and 150 tons
Carrots	..	..	..	13,742	..
Grapes	..	..	..	14,593	.. and 3 tons
Tinned tomatoes	..	..	..	429,090	..
Sweet fat	..	..	..	363,518	.. and 515 tons
Tinned peas	..	..	..	17,481	..
Cucumbers	..	..	..	76,137	.. and 3 tons
Tinned crab	..	..	..	76	..
Lemons	..	..	..	12,985	..

**SUMMARY AND DESCRIPTION OF NUMBER OF
PACKAGES OF FRUIT SORTED UNDER SUPERVISION**

Description			Sorted		Unsound	
Onions	..	..	38 bags	.. ..	27½ bags	
Lemons	..	..	88 cases	.. ..	26 cases	

FOODSTUFFS FOUND TO BE UNFIT

Description				Quantity
Onions	..	..	..	129 bags
Pears	..	..	..	2 boxes
Apples	..	..	..	156 boxes
Mussels	..	..	..	29 bags
Carrots	..	..	..	2 bags
Bacon	..	..	..	1 bale and 12 lbs.
Biscuits	..	..	..	5 cartons
Lemons	..	..	..	26 cases
Cheese spread	..	..	..	1 carton
Oranges	..	..	..	7 cases
Pomegranates	..	..	..	22 boxes
Bilberries	..	..	..	13,263 chips
Strawberry pulp	..	..	..	$\frac{1}{2}$ cask
Raspberry pulp	..	..	..	3 cwts.
Tomatoes	..	..	..	224 $\frac{1}{2}$ boats
Bananas	..	..	..	18 bunches
Tinned goods	..	..	..	10,109 lbs.
Meat	..	..	..	1 ton 19 cwts. 3 qrs. 8 lbs.

SUMMARY OF WEIGHTS OF UNSOUND FOODSTUFFS

Description				Quantity			
				Tons	Cwts.	Qrs.	lb.
Fruit and Vegetables	..	..	..	44	12	—	9
Mussels	..	..	..	1	5	—	—
Bacon	..	..	..	—	2	—	12
Biscuits	..	..	..	—	1	—	26
Tinned goods	..	..	..	4	10	1	1
Fruit pulp	..	..	..	—	5	2	—
Meat	..	..	..	1	19	3	8

FOOD INSPECTION—GOOLE

REPORT OF THE SENIOR PORT HEALTH INSPECTOR

Public Health (Imported Food) Regulations, 1937-48

Number of visits to Docks	171
Number of vessels from which cargoes were inspected ..	194
Number of packages landed therefrom	821,292

PARTICULARS OF " PROHIBITED " MEAT DISCOVERED

N I L

PARTICULARS OF " MEAT PRODUCTS "—SECOND SCHEDULE

Description	Quantity
Pork Luncheon Meat, tinned	91,355 cartons
Bacon	83,953 bales
Pork, tinned	16,118 cases and cartons
Pork Brawn, tinned	7,825 cartons
Kidneys, tinned	5,972 „
Veal and Ham Loaf, tinned	4,740 boxes
Meat Preserves, tinned	4,053 „
Lunch Tongues, tinned	3,987 cartons
Hams, tinned	3,152 cases
Veal, tinned	2,781 cases and cartons
Stewed Steak, tinned	2,241 cartons
Sausages, tinned	1,977 cases
Ham, tinned	1,657 cases and cartons
Tongues, tinned	1,349 „
Ham Sausage, tinned	1,340 boxes
Steak & Kidney, tinned	1,089 cartons
Bacon Rinds	674 barrels, boxes and cases
Hearts, tinned	632 cartons
Ham Loaf, tinned	565 cases and boxes
Pork Butts, tinned	500 cases
Udders	463 casks
Jellied Veal, tinned	400 cartons
Shoulders and Hams	368 cases and cartons
Pigs' Feet	348 casks
Chitterlings	262 „
Pigs' Maws	205 barrels
Pork Liver, tinned	170 cartons
Chopped Pork, tinned	150 cases and cartons
Poultry	922 cases

Description	Quantity
Braised Hearts, tinned ..	100 cartons
Braised Kidneys, tinned ..	100 „
Cap Ends	90 barrels
Hog Casings	56 „
Fat Backs	51 „
Cocktail Sausages	27 cartons
Meat, tinned	25 cases
Bacon, tinned	18 „
Pigs' Tails	10 barrels
Frankfurter Sausages, tinned	6 cartons
Vienna Sausages, tinned ..	4 „
Frozen Sliced Ham, tinned ..	2 „

OTHER FOOD INSPECTED

Description	Quantity
Loose Cheeses	134,625
Farina	91,279 bags
Cheese	80,149 crates and cartons
Eggs	76,511 cases and boxes
Fondant	48,534 cases
Butter	38,816 casks
Condensed Milk	33,856 cartons, cases and drums
Piping Jelly	14,502 cases, tins, drums, etc.
Beer	10,902 cases and cartons
Onions	10,112 bags
Sweetened Fat	9,396 cases and boxes
Peas	7,030 bags
Sago Flour	5,750 „
Wafers	5,716 cartons
Dates	2,016 cases
Biscuits	1,671 cartons
Cornflour	1,240 bags
Pears	1,239 boxes and bags
Sugar-glucose Composition ..	1,080 drums

Description	Quantity
Seed Potatoes	900 boxes and bags
Sugar Fat	800 cases
Chestnuts	777 bags
Brussel Sprouts	600 „
Chocolate Confectionery ..	652 cartons
Tinned Strawberries ..	500 cases and cartons
Toffee Butter	440 boxes
Sugar Mixture	400 „
Rock Toffee	345 cartons
Fruit Pulp	236 casks
Gooseberries	206 chips
Salami Sausage	117 cases
Tinned Blackberries	200 cartons
Fresh Fish	163 baskets and cases
Confectionery	152 cartons
Mussels	139 bags
Sweets	174 cases
Cocoa Milk Crumbs	90 bags
Pickling Onions	73 „
Barley	70 sacks
Sauerkraut	50 casks
Cockles	22 baskets
Apples	11 bags
Cracker Bon Bons	10 cartons
Vitamin Beverage	4 casks

FOODSTUFFS FOUND TO BE UNFIT

Description	Quantity
Mussels	60 bags
Udders	1 cask

SUMMARY OF WEIGHTS OF UNSOUND FOODSTUFFS

Description	Weight			
	Tons	Cwts.	Qrs.	Lb.
Mussels	3	—	—	—
Udders	—	1	3	4
Total	3	1	3	4

ABSENCE OF "OFFICIAL CERTIFICATES"

During the year the under-mentioned foodstuffs were detained owing to the absence of the "Official Certificates." All the consignments were returned to the countries of origin.

Description	Quantity
Salami Sausage	5 cases
Vienna Sausages	13 „
Bacon, tinned	18 „
Meat Preserves	25 „
Lunch Tongues	5 cartons

PUBLIC HEALTH (PRESERVATIVES, ETC. IN FOOD) REGULATIONS, 1925-48

Eight samples of foodstuffs were taken for chemical analysis under the above Regulations during the year.

Number of samples of foodstuffs submitted to :—

- (a) Port Analyst 12—report on pages 44-45.
- (b) Director of the Public Health
Laboratory Service for bac-
teriological examination . . . 13—report on page 46.

Action taken as a result of unsatisfactory reports :—

Bacon Rind.—The bacon was released on condition that the affected parts were pared off under supervision. The bacon was consigned to the Union Cold Store, Liverpool, and the Medical Officer of Health of that City was notified of the circumstances.

Mussels.—Where the faecal coli. content exceeded 30 per cent. importation was prohibited.

REPORT OF THE PORT ANALYST

FOODSTUFFS

In the table below the results of the examination of thirty-eight samples of foodstuffs are set out :—

Total		Satisfactory	Unsatisfactory
38		35	3
Sample	Number	Result of Examination	
Apple Juice ..	3	One sample free from preservatives. Two samples contained 40 and 56 parts per million respectively of sulphur dioxide (350 parts per million allowed). Free from other preservatives.	
Apple Syrup ..	5	One sample free from preservatives. Four samples contained 10, 16, 20 and 180 parts per million respectively of sulphur dioxide (350 parts per million allowed). Free from other preservatives.	
Apricot Pulp ..	1	Contained 2040 parts per million of sulphur dioxide (1500 parts per million allowed). Free from other preservatives.	
Bacon, Stained	1	The discoloration was considered to be non-injurious.	
Bacon Rind, Discoloured ..	1	Stained with a compound of copper.	
Blackcurrant Pulp	1	Contained 1305 parts per million of sulphur dioxide (1500 parts per million allowed). Free from other preservatives.	
Cherries, Glaced	2	Free from preservatives.	
Fruit Drops, ..	2	One sample free from preservatives. One sample contained 49 parts per million of sulphur dioxide ; free from other preservatives.	
Fruit Pulp, Crystallised ..	1	Free from preservatives.	
Gooseberry Pulp	1	Contained 1411 parts per million of sulphur dioxide (1500 parts per million allowed). Free from other preservatives.	

Sample	Number	Result of Examination
Lemon Juice ..	1	Contained 590 parts per million of sulphur dioxide (350 parts per million allowed). Free from other preservatives.
Lemon Syrup ..	1	Free from preservatives.
Lollipops ..	1	Free from preservatives.
Lunch Tongues, Tinned ..	1	Free from preservatives.
Malt Syrup ..	1	Free from preservatives.
Margarine and Meat	3	No cyanide was detected.
Pears	1	Contained 0.13 parts per million of arsenious oxide (maximum allowable limit 1.4 parts per million).
Piping Jelly ..	3	Two samples free from preservatives. One sample contained 26 parts per million of sulphur dioxide. Free from other preservatives.
Pomegranates ..	1	No evidence was obtained that the damage to the fruit was caused by a corrosive substance.
Raspberry Pulp	1	Contained 966 parts per million of sulphur dioxide (2000 parts per million allowed). Free from other preservatives.
Redcurrant Pulp	1	Contained 1220 parts per million of sulphur dioxide (1500 parts per million allowed). Free from other preservatives.
Strawberries in Syrup	1	Free from preservatives.
Strawberry Pulp	1	Contained 1851 parts per million of sulphur dioxide (2000 parts per million allowed). Free from other preservatives.
Sugar and Glucose Composition	1	Free from preservatives.
Tomato Soup, Tinned ..	1	Free from preservatives and colouring-matter.
Vitamin Beverage	1	Free from preservatives.

BACTERIOLOGICAL EXAMINATIONS

Thirty-two samples of foodstuffs were submitted to the Director of the Public Health Laboratory Service for bacteriological examination. Twelve samples of Mussels were reported to be unsatisfactory.

APPENDIX 1**Summary of Inspections to Vessels, Foreign and Coastwise****HULL**

From					
Foreign	{	Steamships	..	..	2,157
	|	Motor Vessels	..	..	1,247
	{	Sailing Vessels	..	..	—
	{	Fishing Vessels	..	..	899
Coastwise	{	Steamships	..	..	527
	{	Motor Vessels	..	..	808
	{	Sailing Vessels	..	..	—
					———— 5,638

GOOLE

Foreign	{	Steamships	..	..	282
	{	Motor Vessels	..	..	409
	{	Sailing Vessels	..	..	—
Coastwise	{	Steamships	..	..	357
	{	Motor Vessels	..	..	457
	{	Sailing Vessels	..	..	—
					———— 1,505
					———— 7,143
Extra Visits					.. .. 1,631
					————
Total					.. 8,774

Summary of Inspections to Vessels, British and Foreign Owned**HULL**

Owners					
British	{	Steamships	..	..	1,523
	{	Motor Vessels	..	..	943
	{	Sailing Vessels	..	..	—
	{	Fishing Vessels	..	..	894
					———— 3,360
Foreign	{	Steamships	..	..	1,161
	{	Motor Vessels	..	..	1,112
	{	Sailing Vessels	..	..	—
	{	Fishing Vessels	..	..	5
					———— 2,278

GOOLE

Owners British	{ Steamships	602	
	{ Motor Vessels	340	
	{ Sailing Vessels	—	
		<hr/>	942
Foreign	{ Steamships	37	
	{ Motor Vessels	526	
	{ Sailing Vessels	—	
		<hr/>	563
			<hr/>
			7,143
	Extra Visits		1,631
			<hr/>
	Total ..		8,774
			<hr/>

The nationalities and number of inspections are shown below :—

British	4,302
Dutch	1,103
German	497
Swedish	277
Danish	248
Norwegian	243
Finnish	167
Panamanian	53
American	27
Icelandic	24
Polish	22
Italian	21
Turkish	19
French	17
Greek	17
Jugo-Slavian	17
Costa Rican	13
Hondurasian	10
Indian	10
Spanish	9
Argentinean	8
Portuguese	8
Belgian	7

Swiss	..	..	..	..	..	7
Russian	..	..	..	..	..	6
Israelite	..	..	..	..	..	5
Liberian	..	..	..	..	..	3
Japanese	..	..	..	..	..	2
Roumanian	..	..	..	..	..	1
Total						7,143

APPENDIX 2

Table showing the Ports from which came vessels boarded on arrival by Medical Officers

PORT	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Aarhus ..	-	-	-	-	-	-	1	1	-	-	-	-	2
Aalborg ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Aberdeen ..	-	-	-	-	-	1	-	-	-	-	-	-	1
Adelaide ..	1	1	2	-	1	1	-	1	-	1	-	-	8
Albany ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Alexandria ..	-	-	-	1	-	1	-	-	-	-	-	-	2
Algiers ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Amsterdam ..	-	-	-	-	-	-	-	-	1	-	-	-	1
Antwerp ..	-	-	-	1	1	-	2	2	1	-	-	1	8
Bahia ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Bahrein ..	-	-	-	-	-	-	-	-	-	-	1	-	1
Bathurst ..	-	4	6	5	5	2	-	-	-	-	-	-	22
Benghazi ..	-	-	-	-	-	-	-	-	-	-	-	1	1
Bombay ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Bremen ..	6	2	3	3	6	2	4	4	1	2	1	2	36
Brisbane ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Buenos Aires ..	-	-	1	-	1	-	1	-	-	-	1	2	6
Bunbury ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Burutu ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Calcutta ..	-	-	-	-	-	1	-	-	-	-	-	-	1
Callao ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Cape Town ..	-	-	-	-	-	-	-	-	-	-	-	1	1
Casablanca ..	1	1	-	1	1	3	3	-	2	-	1	1	14
Chalna ..	-	-	-	-	-	-	-	-	-	-	-	1	1
Carried forward	8	8	12	11	16	11	14	13	5	3	4	9	114

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Brought forward	8	8	12	11	16	11	14	13	5	3	4	9	114
Constanza ..	1	-	-	2	-	-	-	-	-	-	-	-	3
Copenhagen ..	-	-	-	1	2	2	1	1	-	-	-	-	7
Dakar ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Djakarta ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Dordrecht ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Dunedin ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Esbjerg ..	-	-	-	-	-	-	1	1	-	-	-	-	2
Filyos, Turkey	-	-	-	-	-	-	-	-	-	1	-	-	1
Fjarholm ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Foreign Fishing Grounds ..	-	-	1	-	1	-	-	-	-	-	-	-	2
Freetown ..	-	-	-	-	1	-	-	-	2	-	1	1	5
Fremantle ..	3	2	4	2	2	3	3	3	1	2	5	4	34
Galveston ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Gdynia ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Geelong ..	-	-	-	-	-	-	-	-	-	1	-	-	1
Geraldton ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Göthenburg ..	-	-	2	-	1	1	1	1	-	3	-	1	10
Haifa ..	1	-	1	1	-	1	1	-	-	-	-	-	5
Hamburg ..	3	2	4	4	4	9	8	6	6	5	2	6	59
Helsingfors ..	2	2	-	-	1	-	2	-	1	2	2	-	12
Hobart ..	-	-	-	1	-	-	-	-	-	-	-	-	1
Huelva ..	-	-	-	-	-	-	-	-	1	-	-	-	1
Hull Roads ..	-	-	-	1	-	-	-	-	-	-	-	-	1
Istanbul ..	-	-	1	-	1	-	1	-	-	-	-	1	4
Izmir ..	2	-	-	-	-	-	-	-	-	-	-	-	2
Khorramshar ..	1	-	-	-	-	-	-	-	-	-	-	-	1
Kotka ..	-	1	2	-	-	-	1	-	-	-	-	-	4
La Palma, Canary Isles	-	-	-	-	-	-	1	-	-	-	-	-	1
Lagos ..	1	1	1	-	1	3	2	-	1	2	1	1	14
Las Palmas ..	-	-	-	-	-	1	-	-	-	-	-	-	1
Lattakia Syria	-	-	-	-	-	-	-	-	3	1	-	-	4
Laurenco Marques ..	-	-	-	-	-	1	-	-	-	-	-	-	1
Matadi ..	1	-	-	-	-	-	-	-	-	-	-	-	1
Melbourne ..	-	1	1	1	2	-	1	2	1	-	1	2	12
Mombasa ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Carried forward	23	17	29	24	37	32	41	27	21	20	16	25	312

	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Brought forward	23	17	29	24	37	32	41	27	21	20	16	25	312
Montreal ..	-	-	-	-	-	1	-	-	-	-	-	-	1
Mostaganen ..	-	-	1	-	-	-	-	-	-	-	-	-	1
Mauritius ..	-	1	-	-	-	-	-	-	-	-	-	-	1
New York ..	-	-	-	1	-	2	1	-	1	-	-	1	6
Novorossisk ..	-	1	1	2	1	-	-	1	-	-	-	1	7
Odda ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Odessa ..	-	1	1	-	-	-	-	-	-	-	-	-	2
Oslo ..	-	1	1	1	-	-	-	-	-	-	-	-	3
Philippeville ..	-	-	-	-	-	1	-	-	-	-	1	-	2
Port Lincoln ..	-	-	-	1	-	-	-	-	-	-	-	-	1
Port Said ..	-	-	-	1	1	-	1	1	2	-	-	-	6
Port Sudan ..	-	-	-	-	1	1	1	-	-	-	-	-	3
Puerto Cabello ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Rangoon ..	1	-	-	-	-	1	-	-	-	-	-	1	3
Rasa ..	-	-	-	-	-	-	-	-	-	-	-	1	1
Rotterdam ..	5	4	5	5	7	8	13	10	8	7	5	8	85
St. John, N.B. ..	-	-	-	1	-	-	-	-	-	-	-	-	1
San Lorenzo ..	-	1	-	-	-	-	-	-	-	-	-	-	1
Sapele ..	-	-	-	1	-	-	-	-	-	-	-	-	1
Sfax ..	-	2	1	1	3	1	1	-	-	1	2	2	14
Singapore ..	-	-	1	1	-	-	-	-	-	-	-	-	2
Szczecin ..	-	-	-	-	-	-	-	-	-	-	1	-	1
South Georgia ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Split ..	-	-	1	-	-	-	-	-	-	-	-	-	1
Stockholm ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Sydney ..	1	-	-	-	-	-	1	-	-	1	1	1	5
Takao, Formosa ..	-	-	-	-	-	-	-	1	-	-	-	-	1
Takoradi ..	-	2	-	1	1	1	-	1	1	1	2	-	10
Tekirdag ..	-	1	-	-	-	-	-	-	-	-	-	-	1
Thevenard ..	-	-	-	-	1	-	-	-	-	-	-	-	1
Tunis ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Valparaiso ..	1	-	-	-	-	-	-	-	1	-	-	-	2
Vancouver ..	-	-	1	-	-	-	1	-	-	-	-	-	2
Vizagapatam ..	-	-	-	-	-	1	-	-	-	-	-	1	2
Wellington ..	-	-	-	-	-	-	1	-	-	-	-	-	1
Extra Medical Visits ..	-	1	-	1	-	-	1	-	-	1	-	-	4
Totals ..	31	32	42	41	54	49	65	41	34	31	28	41	489

APPENDIX 3

Tabulated Statement Showing the Total Number of Admissions to Hospitals during 1952.

Date of Admission 1952	Disease	Rating	Nationality	Name of Vessel	Where from	Date Discharged
Feb. 1st	Scarlet Fever	4th Engineer	Dutch	m.v. "Prins Willem V"	Bathurst	Feb. 26th
Mar. 28th	Pneumonia and Pleurisy	Fireman	Indian	s.s. "City of Edinburgh"	Fremantle	June 19th
Mar. 29th	Measles and Tonsillitis	Wiper	Cypriot	s.s. "Bonaventure"	Odessa	April 11th
April 21st	Tuberculous Meningitis	Mate	British	Canal Boat "Trent No. 21"	—	Dec. 20th
May 1st	Bronchial Pneumonia	Chief Officer	British	s.s. "Tridale"	Halifax, N.S.	Aug. 5th
May 19th	Pneumonia	Passenger	British	s.s. "Mulbera"	Beira	June 10th
June 5th	Gastro-Enteritis	Passenger	British	s.s. "Trentino"	Alexandria	June 16th
July 9th	Broncho-pneumonia	2nd Officer	British	s.s. "Ardgryfe"	Hamburg	Aug. 26th
July 4th	Pulmonary Tuberculosis	Greaser	British	s.s. "Cottrell"	Takoradi	Repatriated to West Africa, July 31st
July 21st	Infectious Mononucleosis	Fireman	Greek	s.s. "El Greco"	Mombasa	Aug 1st
July 21st	Tonsillitis	Seaman	Dutch	m.v. "Java"	Kotka	July 29th
Sept. 27th	Malaria	Cassab	Asiatic	m.v. "Katha"	Takoradi	Oct 22nd

APPENDIX 4

Vessels on their Arrival on which Cases of Infectious Disease Existed or had Occurred during the Voyage.

Date	Name of Vessel	Where from	No. of Cases	Rating	How dealt with
June 24th	s.s. "Bassano "	New York	1	Passenger	Suffered during the voyage
Mar. 20th	m.v. "Somali "	Singapore	1	Seaman	Treated on board—proceeding to Rotterdam.
Nov. 28th	m.v. "Surrey "	Sydney	1	A.B.	Landed at Lisbon
June 3rd	s.s. "Ariel "	Bathurst	1	Asst. Engineer	Treated by agent's doctor
July 21st	s.s. "El Greco "	Mombasa	1	Fireman	Admitted to Castle Hill Hospital, Cotingham
Feb. 22nd	s.s. "Askot "	Bathurst	1	A.B.	Suffered during the voyage
Mar. 21st	s.s. "Coulgorn "	Lagos	1	Chief Officer	Suffered during the voyage
June 3rd	s.s. "Temple Bar "	Lagos	4	Crew	3 admitted to hospital at Freetown
Sept. 1st	s.s. "Calumet "	Freetown	1	Trimmer	1 admitted to hospital at Lagos
Sept. 24th	m.v. "Katha "	Takoradi	1	Seaman	Died ; buried at sea
Sept. 27th	m.v. "Katha "	Takoradi	1	Cassab	Suffered during the voyage
Oct. 17th	s.s. "Marsdale "	Lagos	2	Crew	Admitted to Castle Hill Hospital, Cotingham
Mar. 29th	s.s. "Bonaventure "	Odessa	1	Wiper	Admitted to Castle Hill Hospital, Cotingham
May 6th	s.s. "Urbino "	Middlesbrough	1	Cadet	Proceeded to his home for treatment
May 28th	s.s. "Delphic "	Melbourne	1	Steward	Suffered during the voyage

APPENDIX 4—Continued

Date	Name of Vessel	Where from	No. of Cases	Rating	How dealt with
1952					
Mar. 9th	s.s. "Tinto"	Oslo	MUMPS 1	Chief Officer	Proceeded to his home for treatment
			PNEUMONIA		
Mar. 27th	s.s. "City of Edinburgh"	Fremantle	1	Fireman	Admitted to Castle Hill Hospital, Cottesingham
May 1st	s.s. "Tridale"	Halifax, N.S.	1	Chief Officer	Admitted to Castle Hill Hospital, Cottesingham
May 19th	s.s. "Mulbera"	Beira	1	Passenger	Admitted to Castle Hill Hospital, Cottesingham
July 9th	s.s. "Ardgryfe"	Hamburg	1	2nd Officer	Admitted to Castle Hill Hospital, Cottesingham
			RUBELLA		
Apr. 28th	s.s. "J. H. Fisher" (Pilot Cutter)	—	1	Engineer	Proceeded to his home for treatment
			SCARLET FEVER		
Feb. 1st	m.v. "Prins Willem V"	Bathurst	1	4th Engineer	Admitted to Castle Hill Hospital, Cottesingham
			TUBERCULOSIS		
Jan. 27th	m.v. "Port Jackson"	Sydney	1	D.B.S.	Proceeded to his home for treatment
Apr. 21st	Canal Boat "Trent No. 26"	—	1	Mate	Admitted to Castle Hill Hospital, Cottesingham
			(T.B. Meningitis)		
Apr. 26th	s.s. "Skern"	St. John, N.B.	1	A.B.	Proceeded to Denmark for treatment
May 1st	s.s. "Ellen"	Brake	1	A.B.	Landed at Brake
May 7th	s.s. "St. Merriel"	Lagos	1	Cook	Landed at Las Palmas
July 4th	s.s. "Cottrell"	Takoradi	1	Greaser	Admitted to Castle Hill Hospital, Cottesingham
Nov. 28th	m.v. "Surrey"	Sydney	1	Engineer	Landed at Aden
Dec. 10th	s.s. "Umtali"	Cape Town	1	Steward	Died at sea; landed at Hull

APPENDIX 5

Total No. of ships inspected	..	..	..	..	..	6,658
Total No. of ships with defects, including those due to dirt, vermin, etc.	..	..	..	..	..	646

(a) At HULL

British owned	..	..	..	..	..	201
Foreign owned	..	..	..	..	..	348

(b) At GOOLE

British owned	..	..	..	..	..	27
Foreign owned	..	..	..	..	..	70

(a) DEFECTS OF ORIGINAL CONSTRUCTION

BRITISH

VENTILATION :—

			No. of defects	Remedied
Unventilated wash-places	..	..	2	Nil
„ water closets	..	..	5	4
„ messroom	..	..	1	Nil
Ventilator in an unsatisfactory position over bunk	..	..	1	1

CREWS' QUARTERS :—

Inadequate heating to forecastle	..	1	Nil
----------------------------------	----	---	-----

WATER CLOSETS :—

W.C.'s without water supply	..	..	1	Nil
			—	—
Totals	..	11	5	—
			—	—

FOREIGN

VENTILATION :—

			No. of defects	Remedied
Unventilated	water closets	.. ..	188	Nil
„	wash-places	.. ..	142	1
„	cabins	.. ..	79	Nil
„	messrooms	.. ..	38	Nil
„	galley-messrooms	.. ..	31	Nil
„	forecastles	.. ..	27	Nil
„	pail closet compartments	.. ..	25	Nil
„	combined W.C. and wash-place	.. ..	19	1
Unventilated	shower compartments	.. ..	5	Nil
„	galley	.. ..	1	Nil
Ventilator in an unsatisfactory position	over bunk	.. ..	1	Nil
CREWS' QUARTERS :—				
No heating to cabins	.. ..	.. ..	9	Nil
No heating to forecastles	.. ..	.. ..	2	2
WATER CLOSETS :—				
W.C.'s without water supply	.. ..	.. ..	87	1
			—	—
	Totals	.. ..	654	5
			—	—

(b) STRUCTURAL DEFECTS THROUGH WEAR AND TEAR

BRITISH

			No. of defects	Remedied
Defective	side ports and glasses	.. ..	54	52
„	W.C.'s and fittings	.. ..	42	39
„	radiators	.. ..	22	21
„	and choked scuppers	.. ..	13	12
„	and leaky overhead decks	.. ..	13	11
„	stoves and fittings	.. ..	12	12
„	waste pipes	.. ..	11	9
„	food lockers	.. ..	10	10
„	calorifiers	.. ..	9	9
„	doors	.. ..	8	8
„	showers	.. ..	8	6

BRITISH

				No. of defects	Remedied
Defective ventilators	..	..	..	7	6
„ geysers	..	..	..	7	6
„ fresh water supply pipes	..			6	6
„ taps	..	..	..	5	5
„ deck lights	..	..	..	5	5
„ soil pipes	..	..	..	4	4
„ central heating systems	..			4	2
„ sheathing or corkdust	..			4	4
„ steam pipes	..	..	..	4	4
„ flooring	..	..	..	3	3
„ bench tops	..	..	..	3	3
No scuppers in W.C. compartments	..			3	3
Defective wash-hand basins and fittings				3	3
Defective fresh water pumps	..	..		3	3
„ bunks	..	..	..	2	2
„ clothes lockers	..	..		2	1
„ seating	..	..	..	2	2
„ steam presses	..	..		2	2
„ drawers	..	..	..	2	2
„ companion ladder	..	..		1	1
„ after-peak tank	..	..		1	1
„ sink	..	..	..	1	1
„ oilskin locker	..	..		1	1
No scupper in wash-place	..	..		1	1
			Totals	278	260

FOREIGN

Defective W.C.'s and fittings	..	22	2
„ side ports and glasses	..	4	4
„ waste pipes	..	2	Nil
„ and leaky overhead deck	..	1	1
		—	—
	Totals..	29	7
		—	—

(c) DIRT, VERMIN AND OTHER CONDITIONS PRE-
JUDICAL TO HEALTH

BRITISH

	No. of defects	Remedied
Dirty condition of cabins	86	82
" " " messrooms	26	25
" " " washplaces	24	23
" " " forecastles	16	15
" " " W.C. compartments ..	15	14
" " " refrigerated compartments ..	5	5
" " " storerooms	4	4
" " " galleys	4	4
" " " pantry	1	1
Verminous condition of cabins	626	584
" " " messrooms	162	152
" " " forecastles	81	75
" " " pantries	60	59
" " " galleys	56	54
" " " storerooms	41	40
" " " saloons	10	10
" " " oilskin lockers	5	5
" " " linen lockers	4	4
" " " drying rooms	4	4
" " " smokerooms	3	3
" " " wash-places	3	3
" " " bakeries	3	3
" " " alleyways	2	2
" " " fridge handling room	1	1
" " " recreation room	1	1
" " " butcher's shop	1	1
Crews' quarters showing signs of rat/mice infestation	11	11
Storeroom showing signs of rat/mice in- festation	1	Nil
Insanitary condition of galley refuse ..	1	1
Hospital used as storeroom	1	1
Drying room converted into refrigerated compartment	1	Nil
Totals ..	1259	1187

FOREIGN

	No. of defects	Remedied
Dirty condition of cabins	7	3
" " " W.C. compartments ..	6	4
" " " forecastles	4	3
" " " wash-places	3	3
Verminous condition of cabins	130	117
" " " messrooms	36	31
" " " galleys	10	10
" " " pantries	9	9
" " " storerooms	7	7
" " " forecastles	6	5
" " " saloons	4	3
" " " linen locker	1	1
" " " fridge handling room ..	1	1
" " " wireless room	1	1
Crews' quarters showing signs of rat/mice infestation	1	1
Insanitary condition of galley refuse ..	1	1
Totals ..	227	200

(d) DEFECTS ARISING FROM STRUCTURAL ALTERATIONS
BRITISH

	No. of defects	Remedied
VENTILATION :—		
Unventilated wash places	17	1
" W.C. compartments	14	2
" cabins	6	Nil
" messrooms	6	2
" forecastle	1	1
" combined W.C. wash-place	1	Nil
" drying room	1	1
CREWS' QUARTERS :—		
No scupper in wash-place	1	1
No hot water supply to wash-place ..	1	1
Totals ..	48	9

FOREIGN

			No. of defects	Remedied
VENTILATIONS :—				
Unventilated	cabins	.. ..	63	2
„	wash-places	.. ..	50	1
„	W.C. compartments	.. ..	35	1
„	messrooms	.. ..	17	1
„	forecastles	.. ..	12	4
„	combined W.C. wash- places	.. ..	3	Nil
„	galley-messrooms	.. ..	2	Nil
„	pail closet compartment	.. ..	1	Nil
„	pantry	.. ..	1	Nil
WATER CLOSETS :—				
	W.C.'s without water supply	.. ..	12	Nil
	Totals	.. ..	196	9



M. HARLAND & SON, LTD.
Manor Street, Hull.